

# SocketSLIC®

## Analog Telephony Interface Module



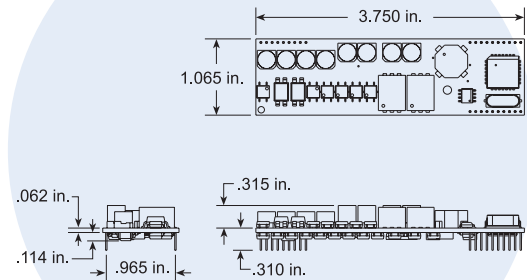
The SocketSLIC® interface module is a complete, ready-to-integrate isolated and programmable analog-to-PCM interface. It allows the user to choose the appropriate telephony interface when the system is configured either in manufacturing or in the field. This flexibility adds convenience, low cost and quick time to market to designing modern communication systems or updating existing telephony systems. The SocketSLIC interface module takes care of the many standard analog interfaces allowing the designer to focus on the digital design.

### Features

- Analog port supports standard telephony interfaces
- Digital port supports standard TDM interfaces
- Control port supports standard serial interfaces
- Supports FXO, FXS, DPO, DPT, E&M, PLR, ETO, TO
- Loop-Start, Ground-Start, Direct-Inward-Dialing (DID)
- E&M Type I, II, III, IV and V signaling
- Two-wire and four-wire transmissions
- Supports Caller ID service and other CLASS services
- Provides loop-disconnect signals
- On-board ring generator and power supply
- Adjustable telecom battery voltage
- Adjustable transmit and receive levels
- Adjustable ringing voltage and ringing frequency
- FCC Part 68, CS-03, TBR21 approved
- No DIP switches or jumpers
- Single +5VDC supply voltage
- Low power consumption
- Small footprint

### Benefits

- Field Programmable
- Operating System Independent
- Bellcore Compliant
- Isolated Analog Telephony Interface

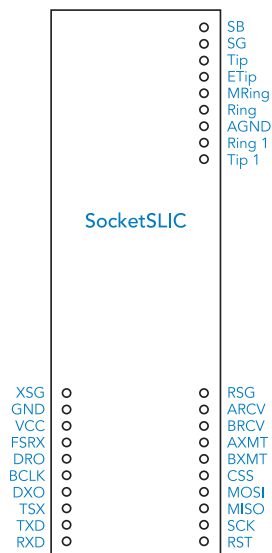


## Highlights

**Applications.** The flexible analog line card interface is ideal for:

- Automatic call distributors
- Digital loop carriers
- Fax boards
- Fax servers
- Fiber-in-the-loop
- Hybrid-fiber/Coax
- Key systems
- Modems
- Multiplexers
- PBX, PC-PBX, IP-PBX
- Remote terminals
- Voice processing boards
- VOIP gateways
- Wireless local loop

**Module Interface Ports and Pins.** The SocketSLIC interface module uses channel associated signaling (A and B bits) to control the analog interface. (It can be programmed to support unique interfaces per specific customer installation requirements.)



**Reduces Development Time.** The SocketSLIC interface module actually provides faster time-to-market because it relieves the burden and expense of designing the analog interface. This complete, ready-to-integrate analog module allows you to enhance your product while you focus on developing its core features.

**Who's Multi-Tech?** Multi-Tech Systems is an ISO 9001:2000 certified global manufacturer of award-winning telephony, Internet, remote access and device networking products that connect voice and data over IP networks. Within a 34 year history inventing products known for their reliability and performance, Multi-Tech still employs the same mission from which the company was founded: to provide quality solutions that solve real business problems. To reinforce this philosophy, Multi-Tech prides itself on developing and fostering mutually beneficial long-term relationships with its worldwide network of technology partners, sales channels and customers.

## Specifications

### Ports Per Module

- Analog Port: 1 (Telephony interface)
- Digital Port: 1 (TDM interface)
- Control Port: 1 (Serial interface)

### Standard Telephony Interfaces

- Foreign Exchange Subscriber (FXS): Loop-Start or Ground-Start
- Foreign Exchange Office (FXO): Loop-Start or Ground-Start
- Dial Pulse Originating (DPO): Direct-Inward-Dialing
- Dial Pulse Terminating (DPT): Direct-Inward-Dialing
- E&M Signaling (E&M): 2-wire or 4-wire, Type I-V
- Pulse Link Repeater (PLR): 2-wire or 4-wire, Type I-V
- Transmission Only (TO): 2-wire
- Equalized Transmission Only (ETO): 4-wire

### Standard TDM Interfaces

- AT&T: Concentration Highway Interface
- Multi-Vendor Integration Protocol (MVIP)
- Mitel: ST-Bus
- Siemens: PCM Highway

### Standard Serial Interfaces

- SPI Interface: 3-wire synchronous
- UART Interface: 2-wire asynchronous

### Power Requirements

- Voltage: +5VDC
- Tolerance: +/-5%
- Current: 0.1 A maximum
- Power: 0.5 W maximum

### Dimensions

- 3.750" L x 1.065" W x 0.540" H
- (9.525cm x 2.705cm x 1.372cm)

### Environmental

- Operating Temp: +32° to +104° F (0° to +40° C)
- Storage Temp: -40° to +185° F (+4° to +85° C)
- Humidity: 5% to 95% non-condensing

### Approvals

- CE Mark
- EMC: FCC Part 15 Class A, EN 55022, EN 55024
- Safety: UL 60950, EN 60950
- Telecom: FCC Part 68, CS-03, TBR21

## Ordering Information

Product	Description	Region
MTIFM	Telephony Interface Module	US/Can/Euro

Made in Mounds View, MN, U.S.A.

Features and specifications are subject to change without notice.

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